

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number
WO 2005/008690 A1

(51) International Patent Classification⁷: **H01B 17/00**

(21) International Application Number: **PCT/KR2004/001817**

(22) International Filing Date: **21 July 2004 (21.07.2004)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:

10-2003-0049628	21 July 2003 (21.07.2003)	KR
10-2004-0010883	19 February 2004 (19.02.2004)	KR
20-2004-0007830	22 March 2004 (22.03.2004)	KR

(71) Applicants (for all designated States except US): **EDI INTERNATIONAL, INC. [KR/KR]; 4th Floor, Choyoung Building, 54-13, Gueui-dong, Kwangjin-ku, Seoul 143-200 (KR). EDI, INC. [KR/KR]; 3 La 805, Shihwa Industrial Estate, 1369-4, Jeongwang-dong, Shiheung-city, Kyunggi-do 429-854 (KR).**

(72) Inventor; and

(75) Inventor/Applicant (for US only): **PARK, Chul-Woong**

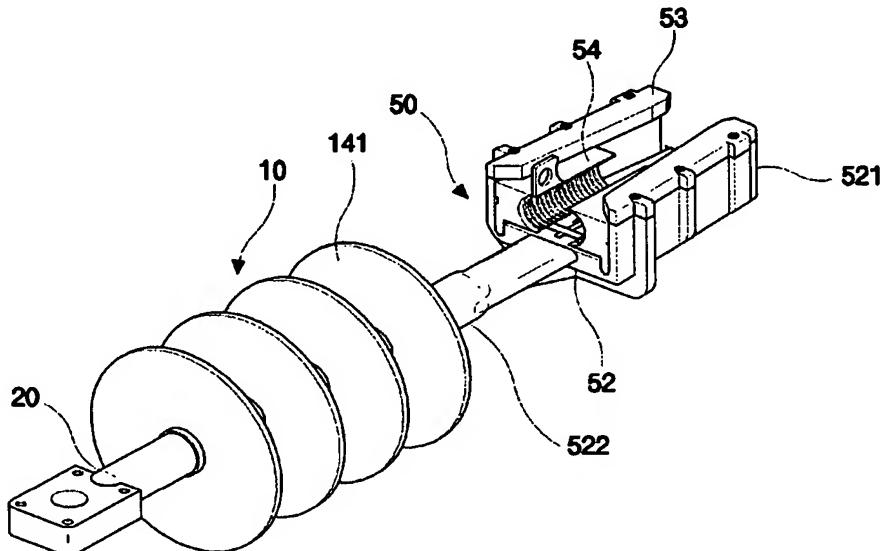
(74) Agent: **DARAE PATENT FIRM; 10th Floor, KIPS, 647-9 Yeoksam-dong, Kangnam-ku, Seoul 135-980 (KR).**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, IIR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.**

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): **ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CR, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**

(Continued on next page)

(54) Title: INSULATOR INTEGRATED WITH CLAMP



WO 2005/008690 A1

(57) Abstract: The present invention relates to an insulator integrated with a clamp. The insulator integrated with a clamp according to the present invention includes a center rod (10), a connecting cap (20), and a clamp (50). The center rod (10) includes an insulating rod (12) made of a glass material, and an insulating coating (14) made of a polymer material. The connecting cap (20) is connected to a first end of the center rod (10). The clamp (50) includes a body (52) provided with a wedge-shaped casing unit (521) having an inner space and a connecting unit (522) formed on one end of the casing unit, and a pair of jaw elements (54) disposed in the inner space of the casing unit and pushed inward by springs, so that an interval between the jaw elements is reduced to perform a clamping operation.



Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.